INDEX TO VOLUME XXXIV

ADEBIYI, A. On the Existence of Steady Helical Vortex Tubes of Small Cross-Section 153

ANDREWS, J. G., and NICOL, D. A. C. Asymmetric Heat Flow in Welding 203

AUBURN, J. H., and DUGGAN, R. C. Dual Extremum Principles and Atmospheric Diffusion 27

BADDOUR, R. E., see HUNT, J. N.

BARONE, MARTIN R., and CAULK, DAVID A. Special Boundary Integral Equations for Approximate Solution of Laplace's Equation in Two-Dimensional Regions with Circular Holes 265

BUCKMASTER, J., and NACHMAN, A. Propagation of an Unsteady Flame in a Duct of Varying Cross-Section 501

CAULK, DAVID A., see BARONE, MARTIN R.

COLEMAN, C. J. A Contour Integral Formulation of Plane Creeping Newtonian Flow 453

CONLISK, A. T., and WALKER, J. D. A. Incompressible Source-Sink Flow in a Rapidly Rotating Contained Annulus 89

CURLE, N. Development and Separation of a Laminar Boundary Layer with an Exponentially Increasing Pressure Gradient 383

CURRIE, P. K., see TAYLOR, D. B.

DE BOER, J. H., and KÖNNEN, G. P. A Graphical Look at the Airy Integral 311

DENNIS, S. C. R., INGHAM, D. B., and SINGH, S. N. The Steady Flow of a Viscous Fluid Due to a Rotating Sphere 361

DUGGAN, R. C., see AUBURN, J. H.

DURBIN, P. A. Distorted Turbulence in Axisymmetric Flow 489

EL SAWI, M., and ELTAYEB, I. A. Wave Action and Critical Surfaces for Hydromagnetic-Inertial-Gravity Waves 187

ELTAYEB, I. A., see EL SAWI, M.

GLADWELL, G. M. L., and HARA, T. The Contact Problem for a Rigid Obstacle Pressed Between Two Dissimilar Elastic Half-Spaces . 251

HADDON, E. W., and RILEY, N. The Heat Transfer Between Concentric, Vibrating Circular Cylinders 345

HAINES, C. R. A Wiener–Hopf Approach to Kelvin Wave Generation by a Semi-Infinite Barrier and a Depth Discontinuity 139

HARA, T., see GLADWELL, G. M. L.

HOCKING, L. M. Sliding and Spreading of Thin Two-Dimensional Drops 37

HOCKING, L. M. The Instability of Flow in the Narrow Gap Between Two Prolate Spheroids II. Arbitrary Axis Ratio 475

HOCKING, L. M., and SKIEPKO, J. The Instability of Flow in the Narrow Gap Between Two Prolate Spheroids. Part I. Small Axis Ratio . 57

HUNT, J. N., and BADDOUR, R. E. The Diffraction of Nonlinear Progressive Waves by a Vertical Cylinder 69

INGHAM, D. B., see DENNIS, S. C. R.

JEFFREY, D. J., and ONISHI, Y. The Slow Motion of a Cylinder Next to a Plane Wall 129

JONES, D. S. Low-Frequency Scattering in Elasticity 431

KÖNNEN, G. P., see DE BOER, J. H.

KUIKEN, H. K. A 'Backward' Free-Convective Boundary Layer . . . 397

MUSGRAVE, M. J. P., and PAYTON, R. G. Head Wave Contributions to Elastic Wave Fields in a Transversely Isotropic Half-Space . . . 235

NACHMAN, A., see BUCKMASTER, J.

NICOL, D. A. C., see ANDREWS, J. G.

O'MEARA, JR., D. J. and SAVILLE, D. A. The Electrical Forces on Two Touching Spheres in a Uniform Field 9

ONISHI, Y., see JEFFREY, D. J.

PAYTON, R. G., see MUSGRAVE, M. J. P.

PIPKIN, A. C. Plane Traction Problems for Inextensible Networks . . 415

RAWLINS, A. D., and WILLIAMS, W. E. Matrix Wiener–Hopf Factorisation 1

RILEY, N., see HADDON, E. W.

ROBERTS, A. J. The Behaviour of Harmonic Resonant Steady Solutions to a Model Differential Equation 287

ROBERTS, P. H. Equilibria and Stability of a Fluid Type II Superconductor 327

SAVILLE, D. A., see O'MEARA, JR., D. J.

SINGH, S. N., see DENNIS, S. C. R.

SKIEPKO, J., see HOCKING, L. M.

SMITH, S. H. A Note on Boundary-Layer Pumping 179

TAYLOR, D. B., and CURRIE, P. K. The Secular Equation for Rayleigh Waves on Elastic Crystals II: Corrections and Additions 231

VANDEN-BROECK, J.-M. The Influence of Capillarity on Cavitating Flow Past a Flat Plate 465

VAUGHAN, H. Inflation of a Finitely Stretched Circular Membrane . . 111

WALKER, J. D. A., see CONLISK, A. T.

WILDHEIM, JÖRGEN. Vibrations of Rotating Circumferentially Periodic Structures 213

WILLIAMS, W. E., see RAWLINS, A. D.